

FDP ON ADVANCED TOOLS FOR RESEARCH  
4TH – 9TH MARCH 2022  
ONLINE & EVENING



**COORDINATORS**

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**ORGANISED BY**

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# INTRODUCTION

The purpose of any research endeavor is the expansion of existing knowledge base and advancement of cognitive process to contribute to this intellectual pool. The basic research aims primarily at theoretical contributions and to uncover previously unidentified relations among entities that culminates in this knowledge advancement. It is the basic research through the theory generation that lays the foundation for applied research. Scientific research follows certain processes such as formation of the topic, research design, hypothesis formulation, data collection, data analysis, testing and reporting. Research methodology, with its structural process minimizes the degree of uncertainty in decision making. By understanding the research process in a systematic fashion, researchers can quickly get a synopsis of the current scenario which improves his/her information base for making sound decisions affecting future operations.

## OBJECTIVE

The objective of this FDP is to

- Provide motivation to pursue research
- Cater to increasing aspirations of faculty
- Meet the challenges in educational environment
- Provide guidelines for preparing research papers
- Hands on experience in packages such as SPSS, Jamovi, and MS Excel

## TOPICS

- Research Problem Identification & Formulation
- Research Design
- Data collection and organization
- Hypothesis formulation and testing
- Data Analysis using software packages
- Exposure to Jamovi, STATCRAFT, SPSS and R for data analysis
- Publishing a research paper

## EXPECTED OUTCOMES

- The FDP aims to offer an overview of scientific research process by walking through the different stages in a systematic fashion.
- The FDP will offer a theoretical understanding of design and execution as well as a hands on experience on various operational processes of research.
- A working knowledge on how to use different research tools for data analysis.
- The participants will be able to structure their research papers and aim for better publications.

## TIMING & MODE

The workshop will be held online mode using Google Meet/Webex. The timing of the workshop will be from 6-10 pm every day

## ABOUT CALICUT

Calicut is a major centre of higher education, learning and research in Kerala. It is the hometown of institutions of national importance including NITC, IIMK, NIELIT, KSOM and CWRDM.

## ABOUT THE INSTITUTE

National Institute of Technology Calicut is one of the premier technical institutions in India. NITC is set in a picturesque landscape at the foothills of Western Ghats, located on the Calicut- Makkam road, about 22km from Calicut City. The institute offers nine undergraduate and twenty postgraduate programmes apart from the Ph.D programme under different departments. The institute has good infrastructure in computing, information technology, laboratories and library including a hi-tech Nalanda digital library. Round the clock internet access is available for all staff and students in the NITC Campus.

## ABOUT SOMS

The School of Management Studies (SOMS) established in the year 2008 offers two-year full time Post Graduate Programme in Management (MBA) and Research Programme (Ph.D.). The objective of NITC-SOMS is to develop students belonging to different disciplines in analytical and executive skills required for professional managers. The MBA programme has been designed as per international standards at par with IIMs, IITs and other reputed institutions. In this endeavour, the school invokes excellent executive competence among graduates. The deliverable of the programme is to contribute to the business fraternity, competent executives and professionals combined with human values, meeting the needs and standards of industry globally. The Ph.D. program is drawn in a manner to imbibe managerial research and to establish the research culture while retaining the identity of the individual.

**Mission:** To equip, train and mould students into globally competent personnel with sound footing on basic managerial principles, skills, research capabilities, along with exemplary professional conduct to analyze, evaluate and execute effective decisions for the progress of enterprises and society, adapting to dynamic economic environment towards robust governance with the highest ethical values.

**Vision:** Internationally acclaimed professional competency of the highest calibre.

**REGISTER HERE**

<https://bit.ly/33ughrp>

## **IMPORTANT DATES**

Last date for advance registration: February 25 2022

Workshop Start Date: 4 March 2022 @ 6 PM

Workshop End Date: 9 March 2022 @ 10 PM

## **ELIGIBILITY**

This is an interdisciplinary programme. Participants from Industry and Academia, Students, Researchers in any of Arts/Science/Engineering/ Management stream and having interest in the area are welcome to apply.

## **PRE-REQUISITE**

A laptop/ desktop with internet connectivity and basic communication facilities and any Office suite installed. There should be some free space to install a few software.

## **REGISTRATION FEE**

Research Scholars and Students: Rs. 1500/- including 18% GST

Academicians, Faculty Members: Rs. 2500/- including 18% GST

Participant from Industry: Rs. 5000/- including 18% GST

The registration fee should be deposited directly to the SBI-NITC Branch in the Account No. 37618269594, SBI, NITC BRANCH. IFSC: SBIN0002207 In favor of 'DIRECTOR NIT CALICUT-CONTINUING EDUCATION PROGRAMME and the payment receipt should be uploaded while applying online.

## **HOW TO APPLY?**

Online Registration form can be obtained from the institute website. The form should be filled with necessary details including the payment details.

## **SELECTION**

Selection will be on first-come-first-serve basis. Selection will be intimated through e-mail. All further communications will be through e-mail.

Number of participants is limited to 50.

## **CONTACT ADDRESS**

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